



TACTICAL RISK MANAGEMENT MATRIX

CIVIL AIR PATROL, PENNSYLVANIA WING



Hazard	Low	Pt.	Moderate	Pt.	* High	Pt.	Controls
Man							
Experience/Training	≥ 1000 hrs PIC ≥ 100 hrs msn time	0	≥ 250 < 1000 hrs > 50 < 100 hrs	10	≤ 250 hrs PIC ≤ 50 msn time	20	
Currency	≥ 10 hrs within last 30 days	0	≥ 5 < 10 within last 30 days	10	< 5 hours within last 30 days	20	
Health/Crew rest	Good health and proper crew rest	0	Fair health and/or some signs of fatigue	5	Poor health and/or fatigued	N/G	
Machine							
Maintenance Factors	Fully functional	0	Partially functional	10	Nonfunctional	N/G	
Performance Factors	< 5000' AGL search altitude	0	> 5000' < 9000' AGL search altitude	10	≥ 9000' AGL search altitude	20	
Communications	Good comm. High bird available	0	Some blind spots no high bird	10	Poor comm. No high bird	20	
Mission							
Operations Tempo	1-2 search aircraft	0	3-4 search aircraft	10	> 4 search aircraft	20	
Complexity	Simple tasks, no new technology	0	Complex tasks, no new technology	10	Complex tasks, new technology	20	
Environment							
Weather @ Additionally, check winds aloft	Winds = calm @ visibility = 7+ Ceiling = none icing = none hazards: none	0	Winds = >5 ≤15 kts @ visibility = > 3 < 7 Ceiling = ≤ 1500' icing = none hazards: Lt-Mod	=5 =5 =10 =0 =10	Winds = > 16 kts @ visibility = < 3 ceiling = < 500' icing ≥ light hazards: Mod-Sev	N/G	
Terrain	Low, flat	0	Foothills/featureles	25	High, mountainous	50	
Night Operations			VFR	25	IMC	N/G	
Airfield	Familiar	0	Unfamiliar	15			
Additional Entries							
Totals							
Overall Risk Assessment					Initials		Date/Time
Low Risk = 0 - 75 # FRO/Incident Commander (IC) approval required							
Moderate Risk = 76 - 150 # Squadron Operations Officer approval required							
High Risk = > 151 # Wing Operations Officer's approval required							
No Go (N/G)							

Notes: * Implement suitable controls for any item in the high range
 # Flight approval granted in ascending order of command and only with PIC concurrence
 (example - score of 151 requires Wing DO, Squadron DO, and Flight Release Officer/IC Initials)